

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A battery comprising:
a positive electrode;
a negative electrode having a current collector ~~layer~~ selected from the group consisting of a metal foil ~~including a metal wherein the metal is not copper and does not form an alloy with lithium~~ and a copper foil covering the a metals, said metal foil and said metal being separately selected from the group consisting of gold, silver, and palladium; and
an electrolyte including a polymer compound selected from the group consisting of radically-polymerized monofunctional monomers, multifunctional monomers, and mixtures thereof;
wherein said polymer compound is synthesized by polymerization at 95°C or lower.
2. (canceled)
3. (canceled)
4. (canceled)
5. (previously presented) A battery according to claim 1, wherein the negative electrode further comprises a material capable of occluding and releasing lithium.
6. (previously presented) A battery according to claim 5, wherein the material is a carbonaceous material.

7. (previously presented) A battery according to claim 1, wherein the positive electrode comprises a lithium composite oxide.

8. (currently amended) A battery comprising;
a positive electrode;
a negative electrode having a current collector ~~layer~~ selected from the group consisting of a metal foil ~~including a metal wherein the metal is not copper and does not form an alloy with lithium~~ and a copper foil covering the a metals, said metal foil and said metal being separately selected from the group consisting of gold, silver, and palladium;

an electrolyte including a polymer compound selected from the group consisting of radically-polymerized monofunctional monomers, multifunctional monomers, and mixtures thereof wherein said polymer compound is synthesized by polymerization at 95°C or lower; and
a separator.

9. (canceled)

10. (canceled)

11. (canceled)

12. (previously presented) A battery according to claim 8, wherein the negative electrode further comprises a material capable of occluding and releasing lithium.

13. (previously presented) A battery according to claim 12, wherein the material is a carbonaceous material.

14. (previously presented) A battery according to claim 8, wherein the positive electrode comprises a lithium composite oxide.

15. (previously presented) A battery comprising:

a battery device including a positive electrode, a negative electrode, an electrolyte, and a package member enclosing the battery device;

wherein the negative electrode has a current collector ~~layer~~ selected from the group consisting of a metal foil ~~including a metal wherein the metal is not copper and does not form an alloy with lithium~~ and a copper foil covering the a metals, said metal foil and said metal being separately selected from the group consisting of gold, silver, and palladium;

wherein the electrolyte includes a polymer compound selected from the group consisting of radically-polymerized monofunctional monomers, multifunctional monomers, and mixtures thereof; and

wherein said polymer compound is synthesized by polymerization at 95°C or lower.

16. (canceled)

17. (canceled)

18. (canceled)

19. (previously presented) A battery according to claim 15, wherein the negative electrode further comprises a material capable of occluding and releasing lithium.

20. (previously presented) A battery according to claim 19, wherein the material is a carbonaceous material.

21. (previously presented) A battery according to claim 15, wherein the positive electrode comprises a lithium composite oxide.

22. (previously presented) A battery according to claim 15, wherein the package member comprises a laminate film wherein a polymer compound film, a metal film, and a polymer compound film are laminated in that order.

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